

IC250: Lab assignment 6

HackerRank link: <https://www.hackerrank.com/ic250-lab-6>

1. **Representing a graph.**

Read the input graph and print its adjacency matrix and adjacency list. The graph may be directed or undirected.

2. **Depth-first search.** Read the input graph and perform depth-first search from the specified starting vertex. Print the order in which the vertices are visited. In case of ties in choosing the vertex to visit next, use alphabetical order. Will you use an adjacency matrix, or an adjacency list, or either?

3. **Breadth-first search.** Read the input graph and perform breadth-first search from the specified starting vertex. Print the order in which the vertices are visited. In case of ties in choosing the vertex to visit next, use alphabetical order. Will you use an adjacency matrix, or an adjacency list, or either?